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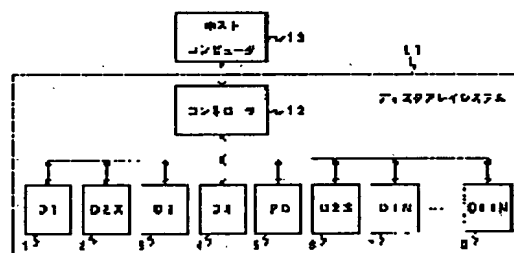
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(54) DISK ARRAY SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a disk array system high in reliability and capable of being used for a long time exceeding the service life period of constituting respective disk drives independently of the service life of respective HDDs(hard disk drives) with the minimum increase of cost.

SOLUTION: This disk array system 11 incorporating the plural HDDs 1-10 is provided with a controller 12 for turning at least one or more disk drives to a stop state as standby disk drives, monitoring time lapse from the start of the stop state and shifting the disk drives of the stop state to an idling operation state every time prescribed time elapses. The controller 12 executes control for exchanging a failed disk drive HDD 2 and the standby disk drive 6. By such a system, the standby disk drives 6-10 exchangeable with the disk drive 2 with no residual life are prepared, and the standby disk drives 6-10 are made into the idling operation state at prescribed intervals, so that it is prevented from that a function becomes incomplete at the time of use.



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